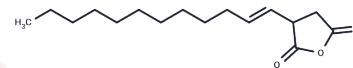


Dodecenylsuccinic anhydride

Chemical Properties

CAS No. :	25377-73-5
Formula:	C ₁₆ H ₂₆ O ₃
Molecular Weight:	266.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dodecenylsuccinic anhydride (DDSA) can be grafted with collagen hydrogels as a hydrophobic wound dressing to incorporate simvastatin, which has potential application in the treatment of ulcers and prevention of wound infection.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.754 mL	18.7702 mL	37.5404 mL
5 mM	0.7508 mL	3.754 mL	7.5081 mL
10 mM	0.3754 mL	1.877 mL	3.754 mL
50 mM	0.0751 mL	0.3754 mL	0.7508 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Padil VV, et al. Dodecenylsuccinic anhydride derivatives of gum karaya (*Sterculia urens*): preparation, characterization, and their antibacterial properties. *J Agric Food Chem.* 2015 Apr 15;63(14):3757-65.
- Olivetti CE, et al. Dodecenylsuccinic anhydride modified collagen hydrogels loaded with simvastatin as skin wound dressings. *J Biomed Mater Res A.* 2019 Sep;107(9):1999-2012.

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